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| **Room Temperature Solubility Test** | | | |
|  | **Water** | **Toluene** | **Ligroin** |
| **Resorcinol** | Soluble – cold to touch | Partially soluble – plate crystals | Partially soluble – slightly cool – needle crystals |
| **Anthracene** | Insoluble – precipitate | Partially soluble – slightly cold to touch – no crystals | Partially soluble – plate crystals |
| **Benzoic Acid** | Partially soluble – needle crystals | Soluble – no noted crystals | Partially soluble – needle crystals |

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| **Heated Solubility Test** | | | |
|  | **Water** | **Toluene** | **Ligroin** |
| **Resorcinol** | Already soluble – not tested | Soluble | Non soluble – crystal formations |
| **Anthracene** | Insoluble – precipitate | Partially soluble – slightly cool – no crystals | Partially soluble – plate crystals |
| **Benzoic Acid** | Soluble | Already soluble – not tested | Non soluble – crystal formations |